

ABSTRACT

In accordance with the present invention there is provided a force-resisting device for transmitting forces and dissipating and absorbing energy across a discontinuous structural element of a structure. The device includes at least one active 5 element, the active element having defined force versus deflection properties and able to transmit force and dissipate and absorb energy, one end of the active element configured to be connected to a structure, and at least one frame element disposed about a discontinuous structural element, wherein the frame is configured to be connected to a second end of the active element, wherein the active element and the frame element 10 configured to resist forces applied to the structure by transmitting forces across the discontinuous structural element.